

**Equivalence of M. Pharm 2013 Pattern to M. Pharm 2019 Pattern Syllabus**

**MASTER OF PHARMACY COURSE STRUCTURE**

<b>Specialization : PHARMACEUTICS</b>		
<b>Semester</b>	<b>2013 Pattern Subject</b>	<b>2019 Pattern Subject</b>
I	<b>M Advanced Analytical Techniques Theory</b>	MPAT101T Modern Pharmaceutical Analytical Techniques
	<b>M-2 Research Methodology</b>	MRM 301T Research Methodology and Biostatistics(Sem III)
	<b>M-I-1 Advanced Pharmaceutics Theory</b>	MPH103 T Modern Pharmaceutics
	<b>M Advanced Analytical Techniques / M-I-1 Advanced Pharmaceutics Practicals</b>	MPH105P Pharmaceutics Practical I
II	<b>M-I-3 Formulations &amp; Development</b>	MPH201T Molecular Pharmaceutics (Nano Tech and Targeted DDS)
	<b>M-3 Drug Regulatory Affairs (Common Subject)</b>	MPH104T Regulatory Affair
	<b>M-I-4 Novel Drug Delivery systems</b>	MPH203T Computer Aided Drug Development
	<b>M-I-3 Formulations &amp; Development Practical</b>	MPH205P Pharmaceutics Practical II
<b>Specialization :PHARMACEUTICAL CHEMISTRY</b>		
I	<b>M Advanced Analytical Techniques</b>	MPAT101T Modern Pharmaceuti cal Analytical Techniques
	<b>M-2 Research Methodology</b>	MRM 301T Research Methodology and Biostatistics(Sem III)
	<b>M-I-1 Advanced Pharmaceutical Chemistry</b>	MPC102T Advanced Organic Chemistry – I
	<b>M Advanced Analytical Techniques / M-I-1 Advanced Pharmaceutical Chemistry Practicals</b>	MPC105P Pharmaceutical Chemistry Practical I
II	<b>M-I-3 Advanced Medicinal Chemistry</b>	MPC202T Advanced Organic Chemistry –II
	<b>M-3 Drug Regulatory Affairs</b>	MPH 104T Regulatory Affair
	<b>M-I-4 Drug Design</b>	MPC203T Computer Aided Drug Design
	<b>M-I-3 Advanced Medicinal Chemistry Practical</b>	MPC205P Pharmaceutical Chemistry Practical II

<b>Specialization:PHARMACOLOGY</b>		
<b>Semester</b>	<b>2013 Pattern Subject</b>	<b>2019 Pattern Subject</b>
I	<b>M Advanced Analytical Techniques</b>	MPAT101T Modern Pharmaceutical Analytical Techniques
	<b>M-2 Research Methodology</b>	MRM 301T Research Methodology and Biostatistics(Sem III)
	<b>M-I-1 Advanced Pharmacology (Preclinical Evaluation of Drugs)</b>	MPL102T Advanced Pharmacology - I
	<b>M Advanced Analytical Techniques / M-I-1 Advanced Pharmacology Practicals</b>	MPL105P Pharmacology Practical I
II	<b>M-I-3 Clinical Pharmacology</b>	MPL204T Clinical Research and Pharmacovigilance
	<b>M-3 Drug Regulatory Affairs</b>	MPH 104T Regulatory Affair
	<b>M-I-4 Molecular Pharmacology</b>	MPL201T Advanced Pharmacology II
	<b>M-I-3 Clinical Pharmacology Practical</b>	MPL205P Pharmacology Practical II
<b>Specialization: PHARMACOGNOSY</b>		
<b>Semester</b>	<b>2013 Pattern Subject</b>	<b>2019 Pattern Subject</b>
I	<b>M Advanced Analytical Techniques</b>	MPAT101T Modern Pharmaceutical Analytical Techniques
	<b>M-2 Research Methodology</b>	MRM 301T Research Methodology and Biostatistics(Sem III)
	<b>M-I-1 Advanced Pharmacognosy</b>	MPG102T Advanced Pharmacognosy-1
	<b>M Advanced Analytical Techniques / M-I-1 Advanced Pharmacognosy Practicals</b>	MPG105P Pharmacology Practical I
II	<b>M-I-3 Phytochemistry &amp; Phytopharmaceuticals</b>	MPG102T Advanced Pharmacognosy – II
	<b>M-3 Drug Regulatory Affairs</b>	MPH 104T Regulatory Affair
	<b>M-I-4 Industrial Pharmacognosy</b>	MPG103T Indian system of medicine
	<b>M-I-3 Phytochemistry &amp; Phytopharmaceuticals Practical</b>	MPG205P Pharmacognosy Practical II

<b>Specialization: QUALITY ASSURANCE TECHNIQUES</b>		
<b>Semester</b>	<b>2013 Pattern Subject</b>	<b>2019 Pattern Subject</b>
I	<b>M Advanced Analytical Techniques</b>	MPAT101T Modern Pharmaceutical Analytical Techniques
	<b>M-2 Research Methodology</b>	MRM 301T Research Methodology and Biostatistics(Sem III)
	<b>M-I-1 Advanced Quality Assurance Techniques (CGMP &amp; Documentation )</b>	MQA102T Quality Management System
	<b>M Advanced Analytical Techniques / M-I-1 Advanced Quality Assurance Techniques (CGMP &amp; Documentation )Practicals</b>	MQA105P Pharmaceutical Quality Assurance Practical I I
II	<b>M-I-3 Pharmaceutical Validation</b>	MQA202T Pharmaceutical Validation
	<b>M-3 Drug Regulatory Affairs</b>	MPH 104T Regulatory Affair
	<b>M-I-4 Quality Planning and Analysis</b>	MQA203T Audits and Regulatory Compliance
	<b>M-I-3 Pharmaceutical Validation Practical</b>	MQA205P Pharmaceutical Quality Assurance Practical II
<b>FOR ALL THE SPECIALISATION of SEM III/IV COURSE STRUCTURE</b>		
III	<b>Seminar on Research Envisaged for Dissertation</b>	Discussion / Presentation (Proposal Presentation)
	<b>Seminar on recent trends in Pharmaceutical Sciences</b>	Journal club
	<b>Research work</b>	Research Work
IV	<b>Seminar on Dissertation</b>	Journal club
	<b>Research work</b>	Research Work
	<b>Dissertation &amp; Defense (viva/voce)</b>	Discussion/Final Presentation

**\* Elective subject of 2013 Pattern in Sem I and Sem II:**

Students who have failed in the elective subject of 2013 Pattern should appear for respective specialised subjects of M.Pharm2019 pattern.

**Ex: For M.Pharm Pharmaceutics Elective specialised subject student can appear for MPH 202T Advanced Biopharmaceutics & Pharmacokinetics)**

**EQUIVALENCE OF M. PHARM 2018 PATTERN TO M. PHARM 2019 PATTERN  
SYLLABUS**

<b>Semester</b>	<b>2018 Pattern Subject</b>	<b>2019 Pattern Subject</b>
<b>I</b>	<b>MPH 101T /MPC101T/MPL 101T/MPG101T/MQA101T Modern Pharmaceutical Analytical Techniques</b>	<b>MPAT101T Modern Pharmaceutical Analytical Techniques</b>
<b>All other subjects of M. Pharm 2018 pattern of all specialization are same in the M.Pharm 2019 pattern</b>		